

Binary Formats

Blocks, Files, Folders, Volumes and **Disks**
in the OpenTrace engine

Disk

- First 8 bytes is size of disk in bytes.
- First and Last 1 MB of disk is copied into storage. Keys are listed inline.
- List of Volume Descriptors follows.
- Where a Volume Descriptor is disk number, partition number, offset, length, used space , free space, cluster size, drive type and fs type.
- Followed by a variable length string of the volume label and default mount point.

1 byte alignment

8 bytes: Disk size in bytes

Key to first MB of disk

Key to last MB of disk

Header

Volume Descriptors

4 bytes: Disk Number

4 bytes: Partition number

8 bytes: start offset of volume

8 bytes: length of volume

8 bytes: used space

8 bytes: free space

4 bytes: cluster size

1 byte: drive type

1 byte: fs type

2 bytes: var length string size